



ROADMAP FOR AN ACTION

Priority Area 5 - To manage environmental risks

Action 5 - “To continuously update the existing database of accident risk spots (ARS Inventory), contaminated sites and sites used for the storage of dangerous substances” – this requires to work with the institutions/organisations concerned to reduce the risk to minimum levels and should include harmonisation of safety standards, increased awareness and capacity in accident response and joint crisis management.

Milestone n°1: ICPDR Accident Risk Site Inventories

- **Work:** Preparation of templates for the inventories of ARS, data collection, risk analysis and providing support for the data collection at the national level, especially for non-EU MS
 - **Output n° 1:** ARS inventories available for all Danube countries
 - **Responsible:** APC EG
 - **Deadline:** end 2014
- **Project:** Integration of ARS inventories in the GIS systems and ICPDR databases
 - **Output n° 2:** databases on ARS inventories
 - **Funding:** EU, CPs
 - **Responsible:** APC EG, IMGIS EG
 - **Deadline:** end 2014

Output n° 1: In most of the countries the data collection process is on-going, contributions have already been provided by Germany, the Czech Republic and Romania. The first ARS inventories are expected to be available till summer 2014, the analysis is planned to be conducted in autumn 2014.

Output n° 2: Once the templates are available from all countries, the possibility of their integration into the ICPDR database will be considered and discussed with the IMGIS TEs of the ICPDR Secretariat.

Milestone n°2: ICPDR Accident Risk Site Maps

- **Work:** The general objective is to produce ARS maps, to illustrate the risk associated with accidental events in the DRB and assess progress in the implementation of preventive measures addressing accidental pollution in the basin.
 - **Output n° 1:** Maps of ARS in the Danube Basin.
 - **Responsible:** APC EG, IMGIS EG

→*Deadline:* end 2014

Output n° 1: Recognizing that visualization of the risk hot-spots of any possible accidental events is a highly sensitive issue, the possibility of preparation of basin-wide ARS maps as well as the related statistical assessments will be carefully discussed at the next APC EG meeting in March 2014. The assessments of the ARS inventories might be executed in autumn 2014 once the country data are available.

Milestone n°3: Guidelines and good practices for Tailing Management Facilities

There is evidence and understanding that environmental degradation of transboundary watercourses has occurred on numerous occasions as a result of (TMF) failures. As risks are posed by Tailing Management Facilities (TMFs) in all categories (active, inactive, neglected, temporarily closed and abandoned) there is particular concern regarding the large number of neglected, abandoned or orphaned TMFs where active monitoring or maintenance is not undertaken. The integration of risk reduction of mining accidents into the ICPDR activities related to the accidental risk prevention in line with the EU legislation, especially the Management of Waste from Extractive Industries (2006/21/EC Directive) will be achieved through the preparation of a guidelines and set of good practices for TMF.

✓ *Output n° 1:* Guidelines and good practices for Tailing Management Facilities.

→ *Responsible:* APC EG, UNECE

→ *Deadline:* end 2014

Output n° 1: A UNECE guidance for tailing management facilities is available which was discussed and amended by the APC EG. The actual status of the guidelines and the next steps to be taken will be discussed at the next APC EG meeting in March 2014.

GAPS:

1. Help ICPDR execute the ARS inventory, create ARS maps and write the guideline.
2. **Action 5:** „*To continuously update the existing database of accident risk spots (ARS Inventory), contaminated sites and sites used for the storage of dangerous substances – this requires to work with the institutions/organisations concerned to reduce the risk to minimum levels and should include harmonisation of safety standards, increased awareness and capacity in accident response and joint crisis management*”

→ Add two more milestones

Proposed milestones:

Milestone n°4: ICPDR Contaminated Site and Mining Site Inventories

Work: The aim is to extend our knowledge on accidental risk spots in the Danube Basin to the contaminated sites and mining areas. Preparation of templates for the inventories of contaminated sites (old industrial plants, abandoned areas) and mining sites (e.g. tailing facilities), data collection and risk analysis will be accomplished. Support of the non-EU MS might be necessary.

→ *Output n° 1:* CS and MS inventories available for all Danube countries

→ *Responsible:* APC EG

→ *Deadline:* end 2015

Milestone n°5: Development of guidelines for contingency planning in cross-border areas

Work: The aim is to develop safety guidance and good practices for cross-border contingency planning. They include coordinated steps and practical actions at different management levels to promote the prevention of, preparedness for and response to any transboundary emergency events. A UNECE draft guidance for transboundary contingency planning is available which was discussed and revised by the APC EG. The discussions will continue and further contributions will be provided in order to finalise the document.

→ *Output n° 1:* Guidelines for contingency planning in cross-border areas

→ *Responsible:* APC EG, UNECE

→ *Deadline:* 2014/2015